

# Building a diagnostic model

Qi Zhao

Updated date: Mar 11, 2022

An abbreviated version of this protocol was published in Science Translational Medicine in Dec 2019  
Circulating tumor DNA methylation profiles enable early diagnosis prognosis prediction and screening for colorectal cancer  
DOI: 10.1126/scitranslmed.aax7533

## Related files

RandomForest and LASSO analysis protocol for marker selection with omic dataset-2022-3-10.docx

**How to cite:** (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Zhao, Q. (2022). Building a diagnostic model. Bio-protocol Preprint. [bio-protocol.org/prep1582](https://bio-protocol.org/prep1582).
2. Luo, H., Zhao, Q., Wei, W., Zheng, L., Yi, S., Li, G., Wang, W., Sheng, H., Pu, H., Mo, H., Zuo, Z., Liu, Z., Li, C., Xie, C., Zeng, Z., Li, W., Hao, X., Liu, Y., Cao, S., Liu, W., Gibson, S., Zhang, K., Xu, G. and Xu, R. (2019). Circulating tumor DNA methylation profiles enable early diagnosis prognosis prediction and screening for colorectal cancer . Science Translational Medicine 12(524). DOI: [10.1126/scitranslmed.aax7533](https://doi.org/10.1126/scitranslmed.aax7533)

**Copyright:** Content may be subjected to copyright.